

lii a nodo in orbita 49^{gr}. 27'. 30". Perihelium in Ω 8^{gr}. 40'. 30" cum latitudine austrina heliocentrica 16^{gr}. 1'. 45". Cometam in perihelio *Novem.* 24^d. 11^h. 52'. p. m. tempore æquato *Londini*, vel 13^h. 8' *Gedani*, stylo veteri, & latus rectum parabolæ 410286, existente mediocri terræ a sole distantia 100000. Quam probe loca cometæ in hoc orbe computata congruunt cum observationibus, patebit ex tabula sequente ab *Halleio* supputata.

Temp. Appar. <i>Gedani</i> , st. vet.	Observatæ Cometæ distantia.	Loca observata.	Loca computata in Orbe
<i>Decemb.</i>			
3 ^d . 18 ^h . 29 ¹ / ₂	a Corde Leonis 46. 24. 20 ^{gr}	Long. Ω 7. 1. 0 ^{gr}	Ω 7. 1. 29 ^{gr}
	a Spica Virginis 22. 52. 10 ^{gr}	Lat. aut. 21. 30. 0 ^{gr}	21. 38. 50 ^{gr}
4. 18. 15 ¹ / ₂	a Corde Leonis 46. 2. 45 ^{gr}	Long. Ω 16. 15. 0 ^{gr}	6. 10. 5 ^{gr}
	a Spica Virginis 23. 52. 40 ^{gr}	Lat. aut. 22. 24. 0 ^{gr}	22. 24. 0 ^{gr}
7. 17. 48	a Corde Leonis 44. 48. 0 ^{gr}	Long. Ω 3. 0. 0 ^{gr}	3. 7. 33 ^{gr}
	a Spica Virginis 27. 56. 40 ^{gr}	Lat. aut. 25. 22. 0 ^{gr}	25. 21. 40 ^{gr}
17. 14. 43	a Corde Leonis 53. 15. 15 ^{gr}	Long. Ω 2. 50. 0 ^{gr}	2. 50. 0 ^{gr}
	ab Hum. Orionis dext. 45. 43. 30 ^{gr}	Lat. aut. 49. 25. 0 ^{gr}	49. 25. 0 ^{gr}
19. 9. 25	a Procyone 35. 13. 50 ^{gr}	Long. Π 28. 40. 30 ^{gr}	28. 43. 0 ^{gr}
	a Lucid. Mandib. Ceti 52. 56. 0 ^{gr}	Lat. aut. 45. 48. 0 ^{gr}	45. 46. 0 ^{gr}
20. 9. 53 ¹ / ₂	a Procyone 40. 49. 0 ^{gr}	Long. Π 13. 3. 0 ^{gr}	13. 5. 0 ^{gr}
	a Lucid. Mandib. Ceti 40. 4. 0 ^{gr}	Lat. aut. 39. 54. 0 ^{gr}	39. 53. 0 ^{gr}
21. 9. 9 ¹ / ₂	ab Hum. dext. Orionis 26. 21. 25 ^{gr}	Long. Π 2. 16. 0 ^{gr}	2. 18. 30 ^{gr}
	a Lucid. Mandib. Ceti 29. 28. 0 ^{gr}	Lat. aut. 23. 41. 0 ^{gr}	33. 39. 40 ^{gr}
22. 9. 0	ab Hum. dext. Orionis 29. 47. 0 ^{gr}	Long. Ω 14. 24. 0 ^{gr}	14. 27. 0 ^{gr}
	a Lucid. Mandib. Ceti 20. 29. 30 ^{gr}	Lat. aut. 27. 45. 0 ^{gr}	27. 46. 0 ^{gr}
16. 7. 58	a Lucida Arietis 23. 20. 0 ^{gr}	Long. Ω 9. 0. 0 ^{gr}	9. 2. 28 ^{gr}
	ab Aldebaran 26. 44. 0 ^{gr}	Lat. aut. 12. 36. 0 ^{gr}	12. 34. 13 ^{gr}
17. 6. 45	a Lucida Arietis 20. 45. 0 ^{gr}	Long. Ω 7. 5. 40 ^{gr}	7. 8. 45 ^{gr}
	ab Aldebaran 28. 10. 0 ^{gr}	Lat. aut. 10. 23. 0 ^{gr}	10. 23. 13 ^{gr}
18. 7. 39	a Lucida Arietis 18. 29. 0 ^{gr}	Long. Ω 5. 24. 45 ^{gr}	5. 27. 52 ^{gr}
	a Palilicio 20. 37. 0 ^{gr}	Lat. aut. 8. 22. 50 ^{gr}	8. 23. 37 ^{gr}
31. 6. 45	a Cing. Androm. 30. 48. 10 ^{gr}	Long. Ω 2. 7. 40 ^{gr}	2. 8. 20 ^{gr}
	a Palilicio 32. 52. 30 ^{gr}	Lat. aut. 4. 13. 0 ^{gr}	4. 16. 25 ^{gr}
<i>Jan.</i> 1665.	a Cing. Androm. 25. 11. 0 ^{gr}	Long. Υ 28. 24. 47 ^{gr}	28. 24. 0 ^{gr}
7. 7. 37 ¹ / ₂	a Palilicio 37. 12. 25 ^{gr}	Lat. bor. 0. 54. 0 ^{gr}	0. 53. 0 ^{gr}
13. 7. 0	a Capite Androm. 28. 7. 10 ^{gr}	Long. Υ 27. 6. 54 ^{gr}	27. 6. 39 ^{gr}
	a Palilicio 38. 55. 20 ^{gr}	Lat. bor. 3. 6. 50 ^{gr}	3. 7. 40 ^{gr}
24. 7. 29	a Cing. Androm. 20. 32. 15 ^{gr}	Long. Υ 26. 29. 15 ^{gr}	26. 28. 50 ^{gr}
	a Palilicio 40. 5. 0 ^{gr}	Lat. bor. 5. 25. 5 ^{gr}	5. 26. 0 ^{gr}
<i>Feb.</i>			
7. 8. 37		Long. Υ 27. 4. 46 ^{gr}	27. 24. 55 ^{gr}
		Lat. bor. 7. 3. 25 ^{gr}	7. 3. 15 ^{gr}
12. 8. 46		Long. Υ 28. 29. 46 ^{gr}	28. 29. 58 ^{gr}
		Lat. bor. 8. 12. 30 ^{gr}	8. 10. 25 ^{gr}
<i>Mar.</i>			
1. 8. 16		Long. Υ 29. 18. 1 ^{gr}	29. 18. 20 ^{gr}
		Lat. bor. 8. 36. 26 ^{gr}	8. 36. 12 ^{gr}
7. 8. 37		Long. Υ 0. 2. 42 ^{gr}	0. 2. 42 ^{gr}
		Lat. bor. 8. 56. 30 ^{gr}	8. 56. 56 ^{gr}

Mense

LIBER
TERTIUS.

Mense *Februario* anni ineuntis 1665, stella prima arietis, quam in sequentibus vocabo γ , erat in Υ 28^{gr}. 30'. 15" cum latitudine boreali 7^{gr}. 8'. 58". Secunda arietis erat in Υ 29^{gr}. 17'. 18" cum latitudine boreali 8^{gr}. 28'. 16". Et stella quædam alia septimæ magnitudinis, quam vocabo A , erat in Υ 28^{gr}. 24'. 45" cum latitudine boreali 8^{gr}. 28'. 33". Cometa vero *Feb.* 7^d. 7'. 30" *Parisiis* (id est *Feb.* 7^d. 8'. 37" *Gedani*) st. vet. triangulum constituebat cum stellis illis γ & A rectangulum ad γ . Et distantia cometæ a stella γ æqualis erat distantia stellarum γ & A , id est 1^{gr}. 19'. 46" in circulo magno, atque ideo ea erat 1^{gr}. 20'. 26" in parallelo latitudinis stellarum γ . Quare si de longitudine stellarum γ detrahatur longitudo 1^{gr}. 20'. 26", manebit longitudo cometæ Υ 27^{gr}. 9'. 49". *Auzoutius* ex hac sua observatione cometam posuit in Υ 27^{gr}. 0' circiter. Et ex schemate, quo *Hookius* motum ejus delineavit, is jam erat in Υ 26^{gr}. 59'. 24". Ratione mediocri posui eundem in Υ 27^{gr}. 4'. 46". Ex eadem observatione *Auzoutius* latitudinem cometæ jam posuit 7^{gr}. & 4' vel 5' boream versus. Eandem rectius posuisset 7^{gr}. 3'. 29", existente scilicet differentia latitudinum cometæ & stellarum γ æquali differentia longitudinum stellarum γ & A .

Feb. 22^d. 7^h. 30' *Londini*, id est *Feb.* 22^d. 8^h. 46' *Gedani*, distantia cometæ a stella A , juxta observationem *Hookii* a seipso in schemate delineatam, ut & juxta observationes *Auzoutii* a *Petito* in schemate delineatas, erat pars quinta distantia inter stellam A & primam arietis, seu 15'. 57". Et distantia cometæ a linea jungente stellam A & primam arietis erat pars quarta ejusdem partis quintæ, id est 4'. Ideoque cometa erat in Υ 28^{gr}. 29'. 46", cum lat. bor. 8^{gr}. 12'. 36".

Mart. 1^d. 7^h. 0' *Londini*, id est *Mart.* 1^d. 8^h. 16' *Gedani*, cometa observatus fuit prope secundam arietis, existente distantia inter eodem ad distantiam inter primam & secundam arietis, hoc est ad 1^{gr}. 33', ut 4 ad 45 secundum *Hookium*, vel ut 2 ad 23 secundum *Gottignies*. Unde distantia cometæ a secunda arietis erat 8'. 16" secundum *Hookium*, vel 8'. 5" secundum *Gottignies*, vel ratione mediocri 8'. 10". Cometa vero secundum *Gottignies* jam modo prætergressus fuerat secundam arietis quasi spatio quartæ vel quintæ partis itineris uno die confecti, id est 1'. 35" circiter (quocum satis consentit *Auzoutius*) vel paulo minorem secundum *Hookium*, puta 1'. Quare si ad longitudinem primæ arietis addatur 1', & ad

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